



Applicant or Patentee: Allan J. MacRae Attorney's Docket No.: B-5220RE 621205-3
U.S. Serial or U.S. Patent No.: 10/651,010
Filed or Issued: August 27, 2003
International Application No. _____, filed _____
For: "CAST-IN PIPE AND COOLING BLOCK"

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY
STATUS (37 CFR 1.9 (f) and 1.27(b)) -- INDEPENDENT INVENTOR(S)

As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9 (c) for purposes of paying reduced fees under section 41 (a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention entitled "CAST-IN PIPE AND COOLING BLOCK" described in

- the specification filed herewith.
 application serial no.: 10/651,010, filed August 27, 2003
 patent no. _____ issued _____

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR 1.9 (c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9 (d) or a nonprofit organization under 37 CFR 1.9 (e).

Each person, concern or organization to which I have assigned, granted, conveyed or licensed or am under an obligation under contract or law to assign, grant, convey or license any rights in the invention is listed below:

- no such person, concern, or organization
 persons, concerns or organizations listed below

*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averaging to their status as small entities. (37 CFR 1.27)

FULL NAME _____
ADDRESS _____

INDIVIDUAL SMALL BUSINESS CONCERN NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28 (b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Allan J. MacRae
Name of First Inventor

Signature of First Inventor

X January 13, 2004
Date



PTO/SB/051 (07-03)

Approved for use through 01/31/2004, OMB 0651-0033
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Docket Number (Optional)

B-5220RE 621205-3

REISSUE APPLICATION DECLARATION BY THE INVENTOR

I hereby declare that:

Each inventor's residence, mailing address and citizenship are stated below next to their name.

I believe the inventors named below to be the original and first inventor(s) of the subject matter which is described and claimed in patent number 6,286,681 B1, granted August 28, 2001, and for which a reissue patent is sought on the invention entitled "CAST IN PIPE AND COOLING BLOCK" (as amended)

The specification of which

is attached hereto.

was filed on August 27, 2003 as reissue application number 10/651,010.

and was amended on August 27, 2003
(If applicable)

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.68.

I hereby claim foreign priority benefits under 35 U.S.C. 119(e)-(d) or (f), or 365(d). Attached is form PTO/SB/028 (or equivalent) listing the foreign applications.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

by reason of a defective specification or drawing.

by reason of the patentee claiming more or less than he had the right to claim in the patent.

by reason of other errors.

At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening:

The specification has been amended to recite pipe made from an alloy of at least 60%-wt copper, and cooling block cast in an alloy of at least 50%-wt copper, as recited in originally filed claims 1 and 2.

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This collection of information is required by 37 CFR 1.175. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form under suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/51 (07-03)

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(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)

Docket Number (Optional)
B-5220RB 621205-3

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.

Note: To appoint a power of attorney, use form PTO/SB/81.

Correspondence Address: Direct all communications about this application to:

Customer Number:

36716

OR

Firm or
Individual Name

Address

Address

City

State

Zip

Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like as made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of sole or first inventor (given name, family name)

Allan J. MacRae

Inventor's signature

Allan J. MacRae

Date

January 27, 2004

Residence

1000 Silver Maple Lane, Hayward, CA

Citizenship

USA CANADA

Mailing Address

1000 Silver Maple Lane, Hayward, CA 94544-6681

Full name of second joint inventor (given name, family name)

n/a

Inventor's signature

Date

Residence

Citizenship

Mailing Address

Full name of third joint inventor (given name, family name)

n/a

Inventor's signature

Date

Residence

Citizenship

Mailing Address

Additional joint inventors or legal representative(s) are named on separately numbered sheets forms PTO/SB/02A or 02LR attached hereto.



PTO/SB/53 (RS-03)

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**REISSUE APPLICATION: CONSENT OF ASSIGNEE;
STATEMENT OF NON-ASSIGNMENT**

 Docket Number (Optional)
 B-5220RE 621205-3

This is part of the application for a reissue patent based on the original patent identified below.

Name of Patentee(s)

Allan J. MacRae

Patent Number
6,280,681 B1Date Patent Issued
August 28, 2001

Title of Invention

"FURNACE-WALL COOLING BLOCK"

1. Filed herein is a statement under 37 CFR 3.73(b). (Form PTO/SB/96)2. Ownership of the patent is in the inventor(s), and no assignment of the patent is in effect.

One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee".

The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.

The assignee(s) owning an undivided interest in said original patent is/are _____
and the assignee(s) consents to the accompanying application for reissue.

Name of assignee/inventor (if not assigned)

Allan J. MacRae

Signature

Date

Typed or printed name and title of person signing for assignee (if assigned)

This collection of information is required by 37 CFR 1.172. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.